

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN040522\
 Data File : BN019362.D
 Acq On : 05 Apr 2022 22:28
 Operator : CG/JU
 Sample : N2237-10 10X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 DUP-0401

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 04/08/2022
 Supervised By : Jagrut Upadhyay 04/08/2022

Quant Time: Apr 06 02:32:23 2022
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN040422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 04 17:40:00 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.826	152	3879	0.400	ng	0.00
7) Naphthalene-d8	10.626	136	12839	0.400	ng	# 0.00
13) Acenaphthene-d10	14.463	164	8571	0.400	ng	0.00
19) Phenanthrene-d10	17.205	188	18322	0.400	ng	# 0.00
29) Chrysene-d12	21.387	240	17527	0.400	ng	# 0.00
35) Perylene-d12	23.735	264	14503	0.400	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.384	112	368	0.035	ng	0.00
5) Phenol-d6	7.002	99	323	0.026	ng	0.01
8) Nitrobenzene-d5	9.003	82	252m	0.022	ng	0.02
11) 2-Methylnaphthalene-d10	12.227	152	773	0.034	ng	0.00
14) 2,4,6-Tribromophenol	15.954	330	165	0.032	ng	0.00
15) 2-Fluorobiphenyl	13.095	172	1038	0.029	ng	0.00
27) Fluoranthene-d10	19.236	212	1829	0.031	ng	0.00
31) Terphenyl-d14	19.830	244	1162	0.031	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.680	128	1126	0.030	ng	# 75
12) 2-Methylnaphthalene	12.299	142	606	0.023	ng	# 86
16) Acenaphthylene	14.185	152	4842	0.114	ng	99
18) Fluorene	15.511	166	836	0.022	ng	# 97
25) Phenanthrene	17.246	178	20980	0.341	ng	100
26) Anthracene	17.338	178	5184	0.096	ng	# 95
28) Fluoranthene	19.265	202	71238	0.977	ng	100
30) Pyrene	19.628	202	65988	0.809	ng	97
32) Benzo(a)anthracene	21.369	228	36771	0.568	ng	96
33) Chrysene	21.422	228	38707	0.538	ng	97
34) Bis(2-ethylhexyl)phtha...	21.297	149	6907	0.143	ng	96
36) Indeno(1,2,3-cd)pyrene	26.156	276	23114	0.381	ng	# 88
37) Benzo(b)fluoranthene	23.024	252	57112	1.005	ng	98
38) Benzo(k)fluoranthene	23.065	252	19646m	0.331	ng	
39) Benzo(a)pyrene	23.630	252	32898	0.644	ng	98
40) Dibenzo(a,h)anthracene	26.164	278	4492	0.096	ng	# 73
41) Benzo(g,h,i)perylene	26.898	276	25843	0.459	ng	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

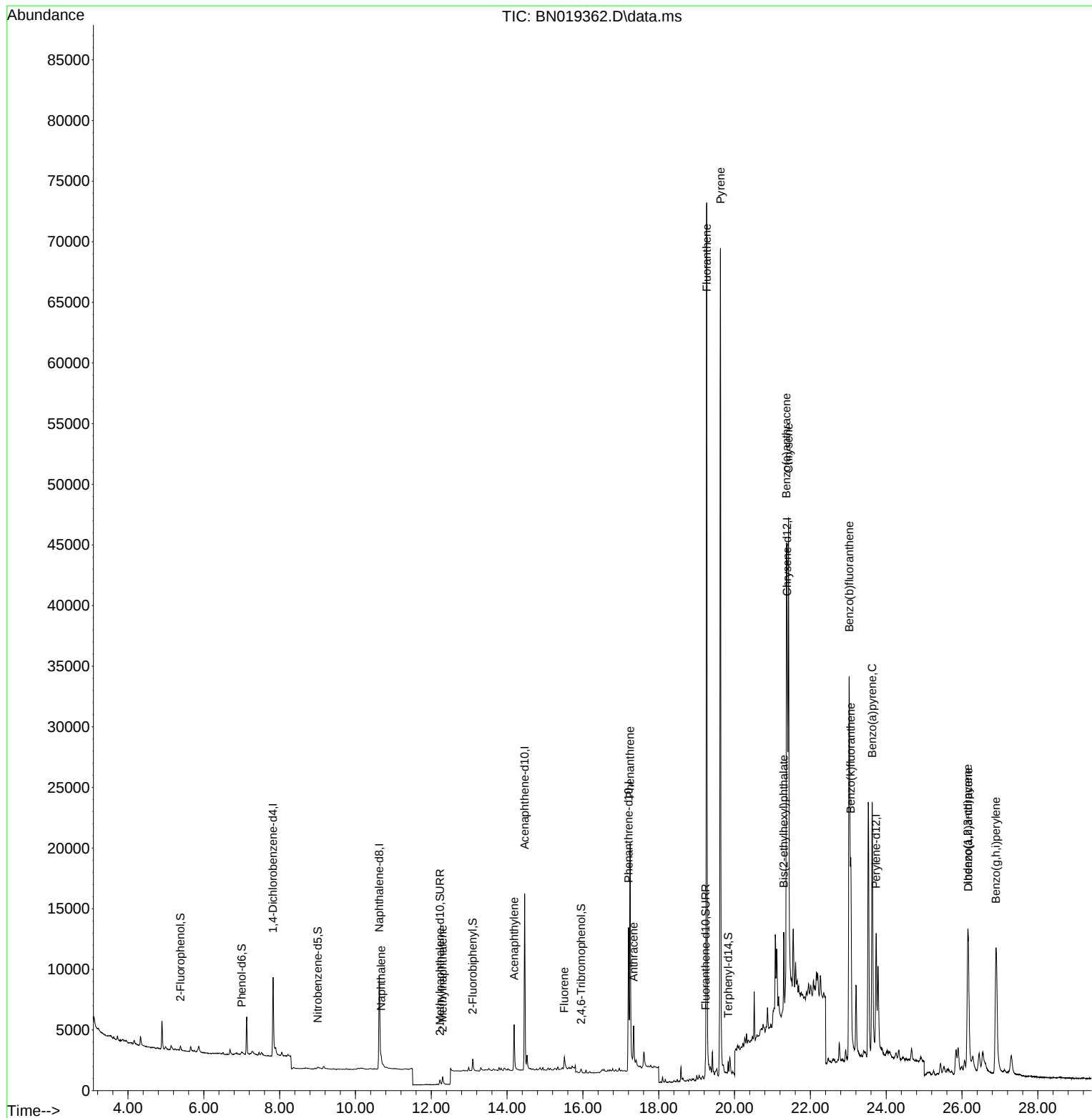
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN040522\
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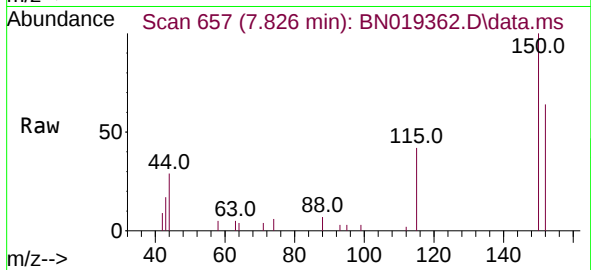
Reviewed By : Christian Giraldo 04/08/2022
Supervised By : Jagrut Upadhyay 04/08/2022





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.826 min Scan# 61
Delta R.T. 0.001 min
Lab File: BN019362.D
Acq: 05 Apr 2022 22:28

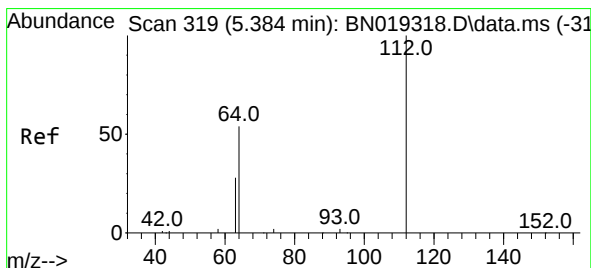
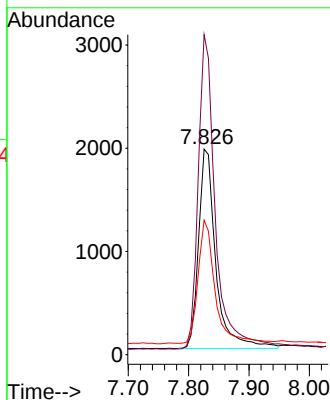
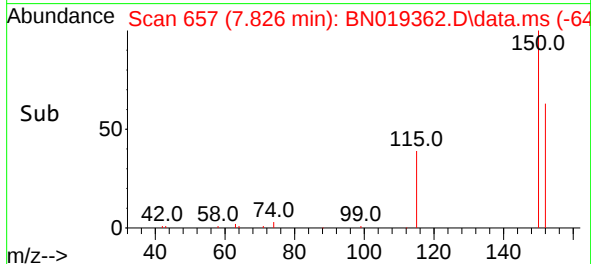
Instrument :
BNA_N
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DUP-0401



Tgt Ion:152 Resp: 3879
Ion Ratio Lower Upper
152 100
150 155.6 123.9 185.9
115 65.4 48.2 72.4

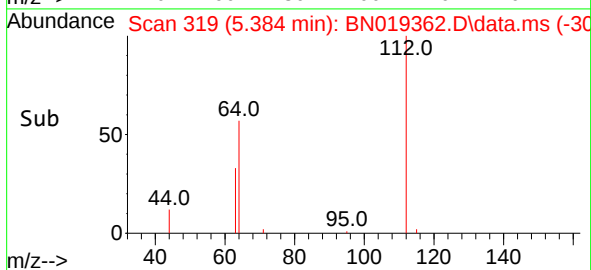
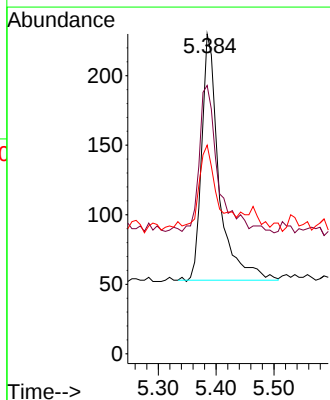
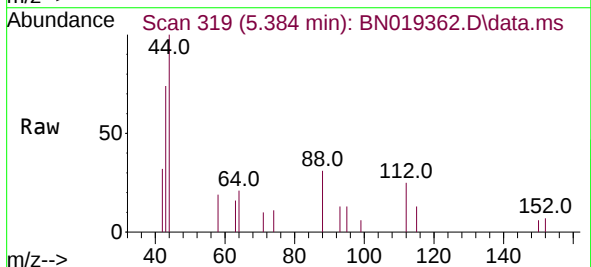
Manual Integrations
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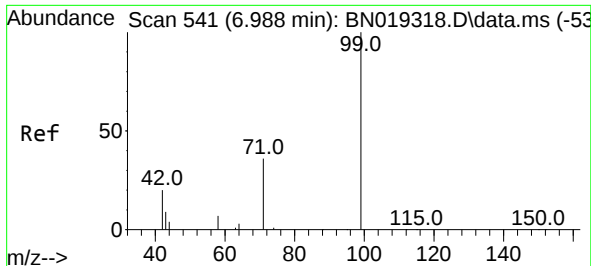
Reviewed By :Christian Giraldo 04/08/2022
Supervised By :Jagrut Upadhyay 04/08/2022



#4
2-Fluorophenol
Concen: 0.035 ng
RT: 5.384 min Scan# 319
Delta R.T. 0.000 min
Lab File: BN019362.D
Acq: 05 Apr 2022 22:28

Tgt Ion:112 Resp: 368
Ion Ratio Lower Upper
112 100
64 62.5 47.8 71.8
63 30.7 25.7 38.5





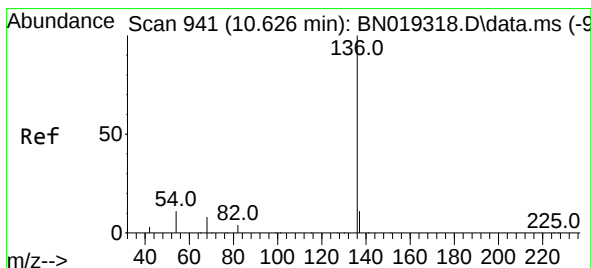
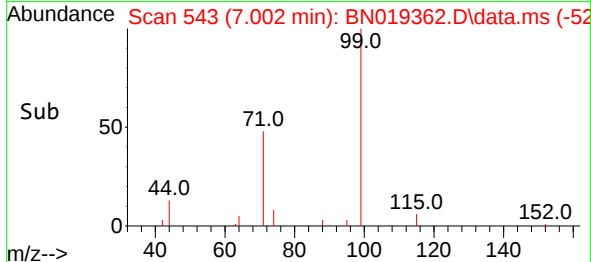
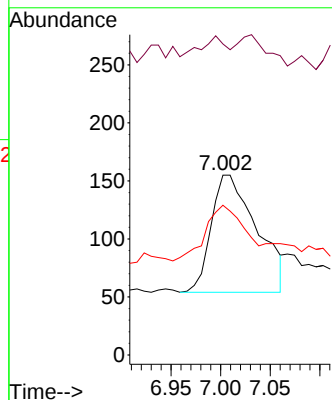
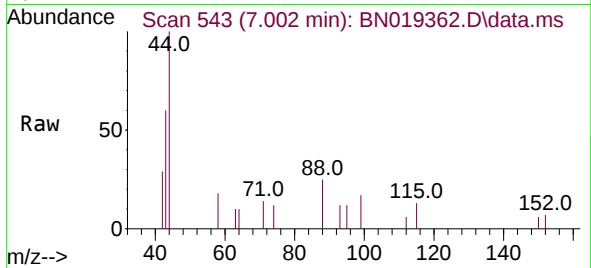
#5
Phenol-d6
Concen: 0.026 ng
RT: 7.002 min Scan# 541
Delta R.T. 0.015 min
Lab File: BN019362.D
Acq: 05 Apr 2022 22:28

Instrument :
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ClientSampleId :
DUP-0401

Tgt Ion: 99 Resp: 32
Ion Ratio Lower Upper
99 100
42 10.5 16.2 24.4
71 42.1 27.7 41.5

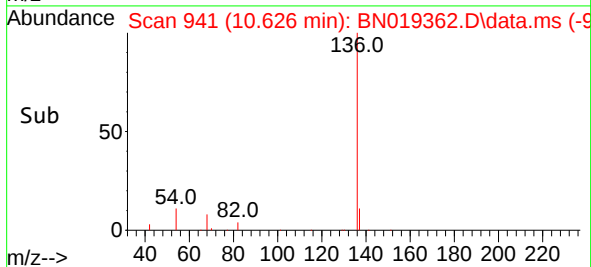
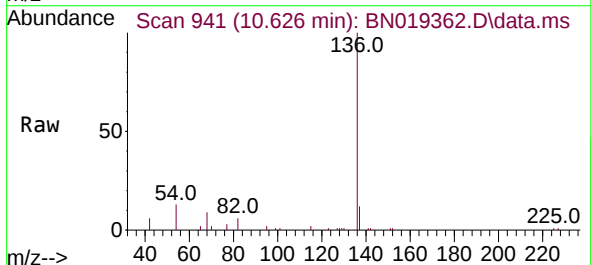
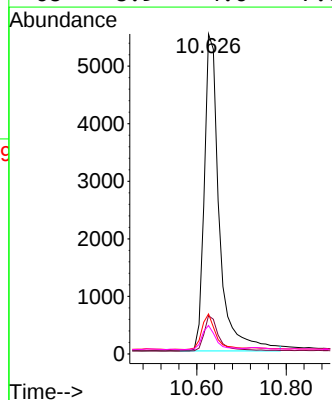
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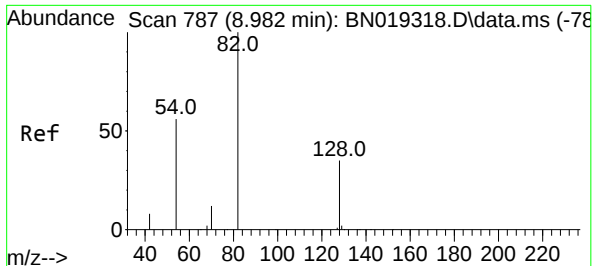
Reviewed By :Christian Giraldo 04/08/2022
Supervised By :Jagrut Upadhyay 04/08/2022



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.626 min Scan# 941
Delta R.T. 0.000 min
Lab File: BN019362.D
Acq: 05 Apr 2022 22:28

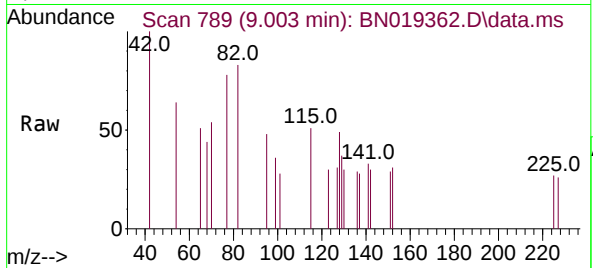
Tgt Ion:136 Resp: 12839
Ion Ratio Lower Upper
136 100
137 11.9 9.0 13.4
54 12.5 5.8 8.6#
68 8.9 4.6 7.0#





#8
Nitrobenzene-d5
Concen: 0.022 ng m
RT: 9.003 min Scan# 789
Delta R.T. 0.022 min
Lab File: BN019362.D
Acq: 05 Apr 2022 22:28

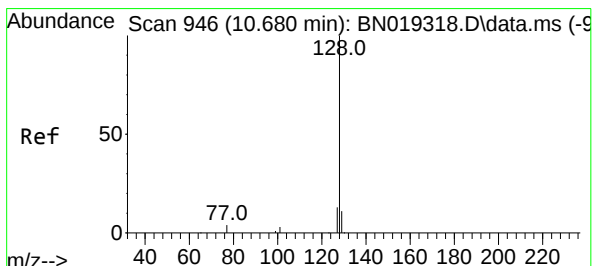
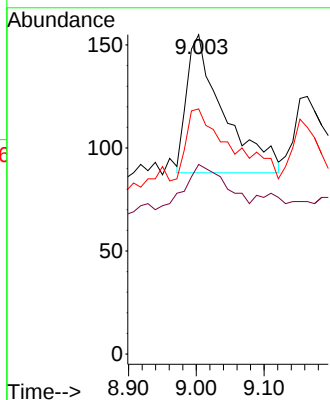
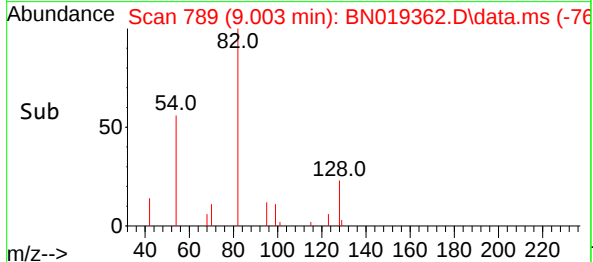
Instrument :
BNA_N
ClientSampleId :
DUP-0401



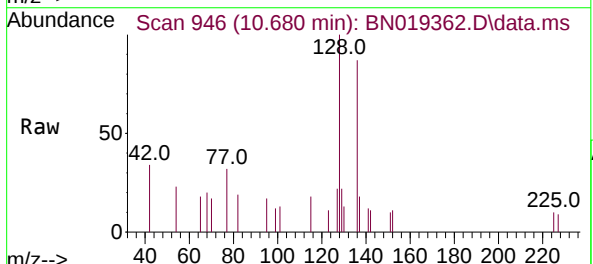
Tgt Ion: 82 Resp: 252
Ion Ratio Lower Upper
82 100
128 59.4 33.0 49.6
54 76.8 42.5 63.7

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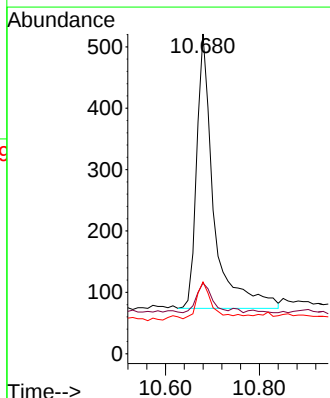
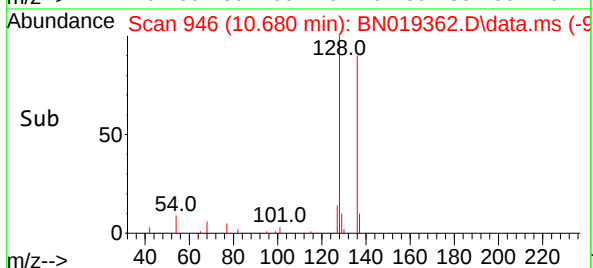
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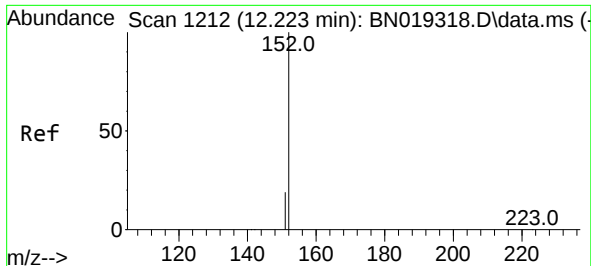


#9
Naphthalene
Concen: 0.030 ng
RT: 10.680 min Scan# 946
Delta R.T. 0.000 min
Lab File: BN019362.D
Acq: 05 Apr 2022 22:28



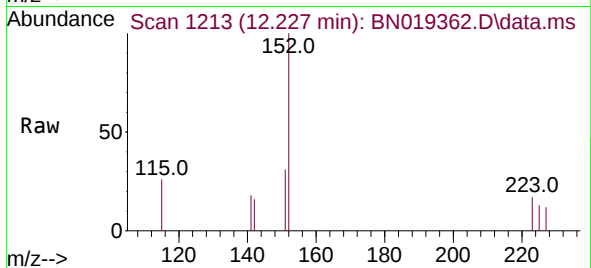
Tgt Ion:128 Resp: 1126
Ion Ratio Lower Upper
128 100
129 22.1 9.0 13.4#
127 22.5 10.7 16.1#





#11
2-Methylnaphthalene-d10
Concen: 0.034 ng
RT: 12.227 min Scan# 11
Delta R.T. 0.004 min
Lab File: BN019362.D
Acq: 05 Apr 2022 22:28

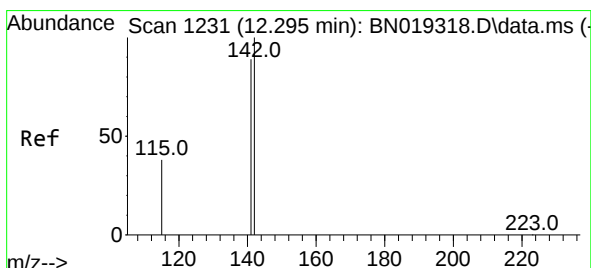
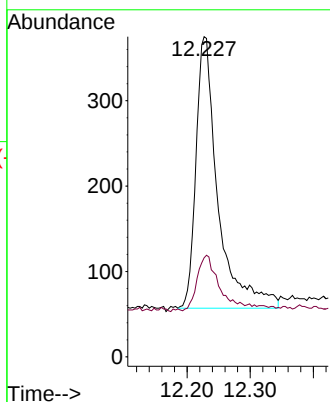
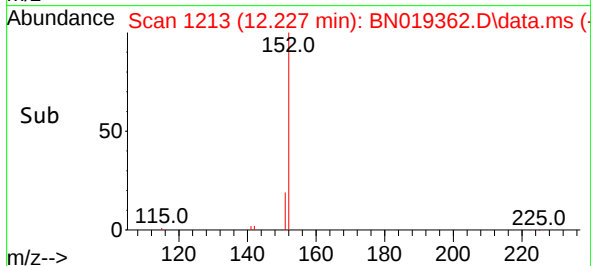
Instrument :
BNA_N
ClientSampleId :
DUP-0401



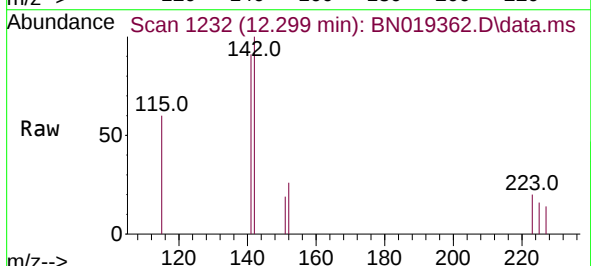
Tgt Ion:152 Resp: 77
Ion Ratio Lower Upper
152 100
151 20.2 16.5 24.7

Manual Integrations
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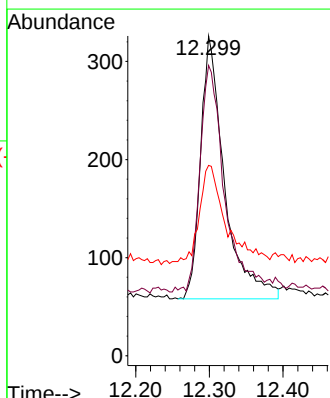
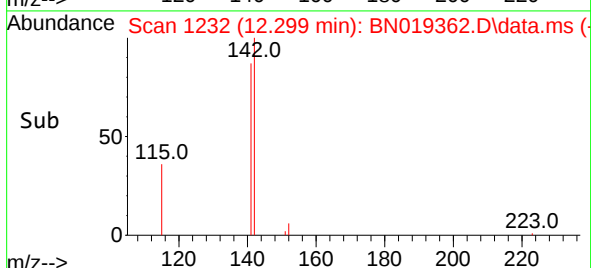
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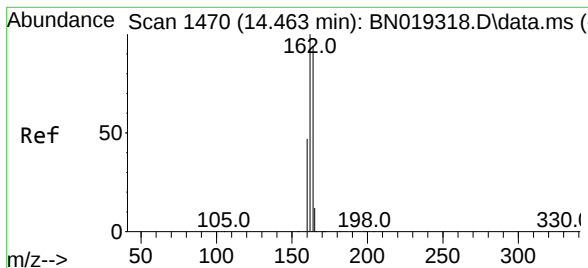


#12
2-Methylnaphthalene
Concen: 0.023 ng
RT: 12.299 min Scan# 1232
Delta R.T. 0.004 min
Lab File: BN019362.D
Acq: 05 Apr 2022 22:28



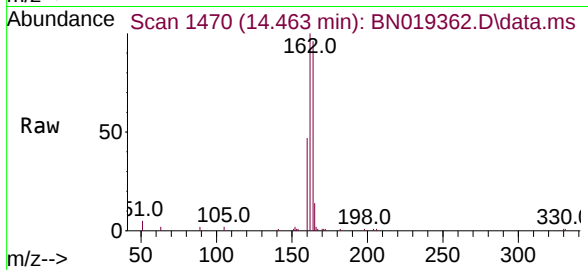
Tgt Ion:142 Resp: 606
Ion Ratio Lower Upper
142 100
141 90.8 70.0 105.0
115 59.5 29.8 44.8#





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.463 min Scan# 1470
Delta R.T. 0.000 min
Lab File: BN019362.D
Acq: 05 Apr 2022 22:28

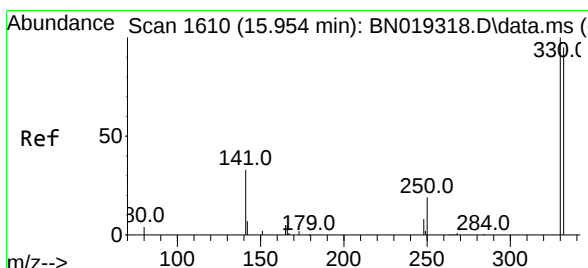
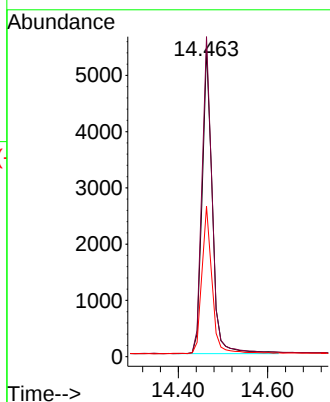
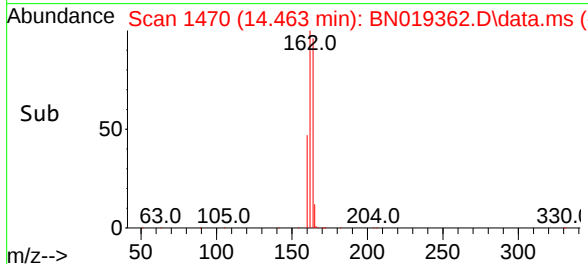
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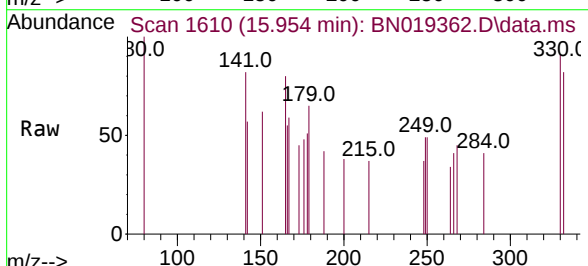
Tgt Ion:164 Resp: 857
Ion Ratio Lower Upper
164 100
162 103.9 85.2 127.8
160 48.8 41.5 62.3

Manual Integrations
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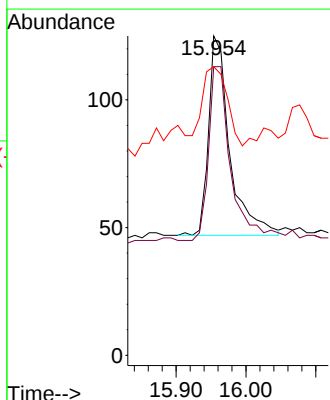
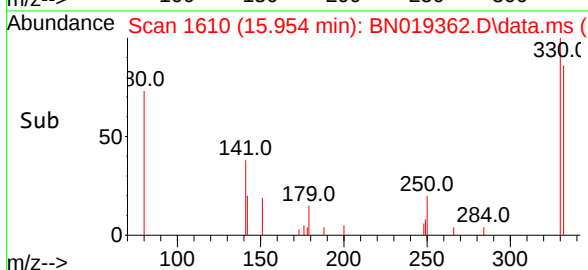
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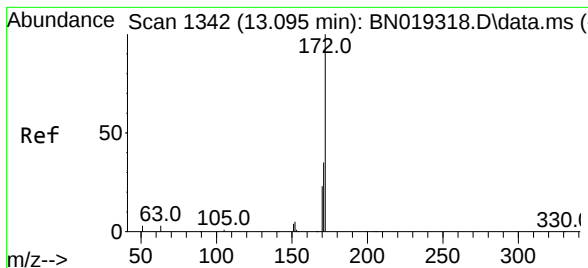


#14
2,4,6-Tribromophenol
Concen: 0.032 ng
RT: 15.954 min Scan# 1610
Delta R.T. 0.000 min
Lab File: BN019362.D
Acq: 05 Apr 2022 22:28



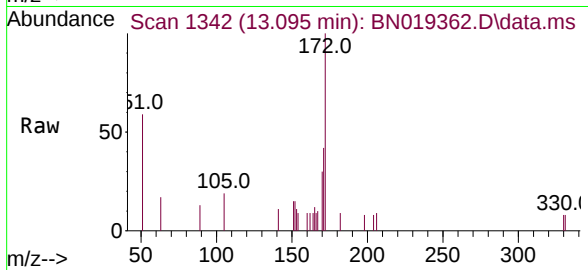
Tgt Ion:330 Resp: 165
Ion Ratio Lower Upper
330 100
332 91.5 76.8 115.2
141 45.5 32.2 48.2





#15
2-Fluorobiphenyl
Concen: 0.029 ng
RT: 13.095 min Scan# 1342
Delta R.T. 0.000 min
Lab File: BN019362.D
Acq: 05 Apr 2022 22:28

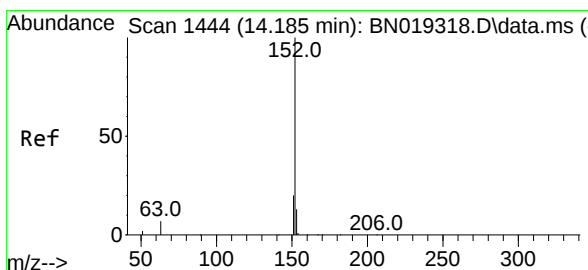
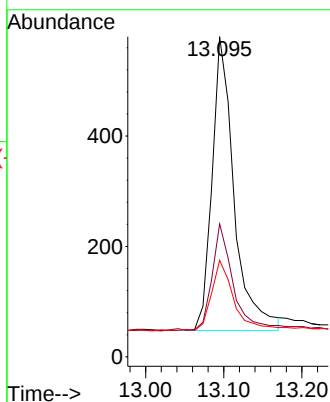
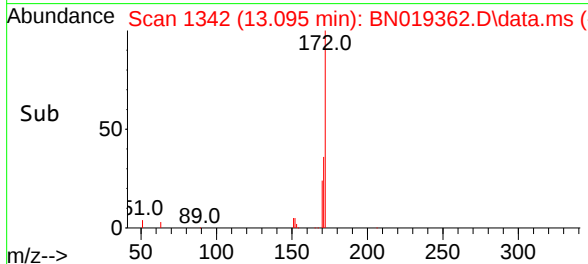
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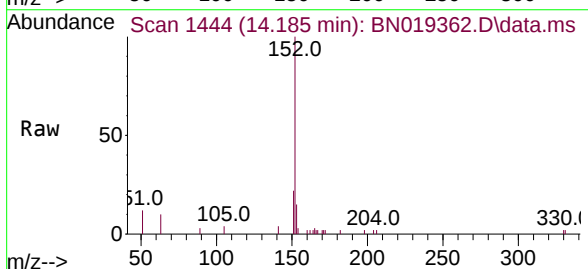
Tgt Ion:	172	Resp:	1038
Ion Ratio	Lower	Upper	
172	100		
171	41.6	28.2	42.2
170	30.2	18.7	28.1

Manual Integrations
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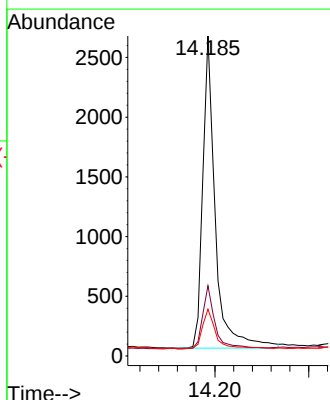
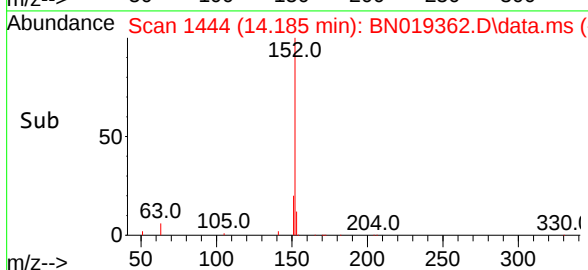
Reviewed By :Christian Giraldo 04/08/2022
Supervised By :Jagrut Upadhyay 04/08/2022

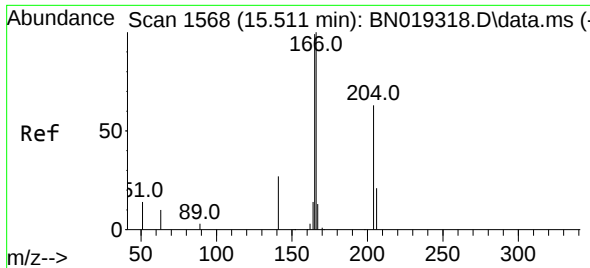


#16
Acenaphthylene
Concen: 0.114 ng
RT: 14.185 min Scan# 1444
Delta R.T. 0.000 min
Lab File: BN019362.D
Acq: 05 Apr 2022 22:28



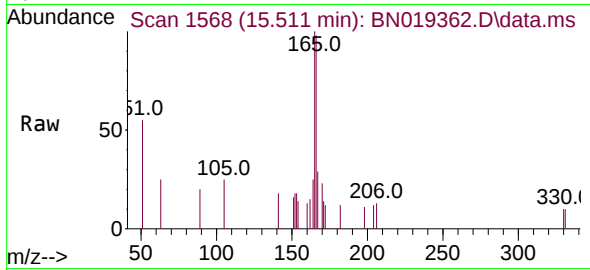
Tgt Ion:	152	Resp:	4842
Ion Ratio	Lower	Upper	
152	100		
151	20.2	15.9	23.9
153	13.6	10.6	15.8





#18
Fluorene
Concen: 0.022 ng
RT: 15.511 min Scan# 1568
Delta R.T. 0.000 min
Lab File: BN019362.D
Acq: 05 Apr 2022 22:28

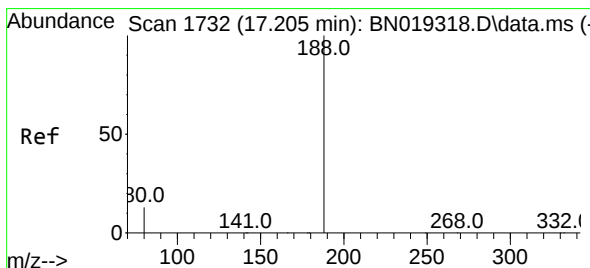
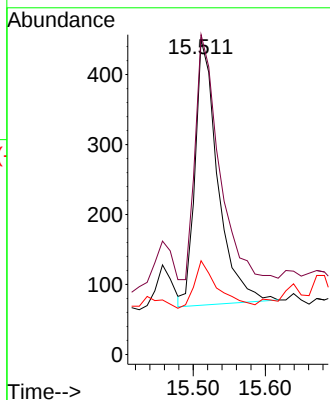
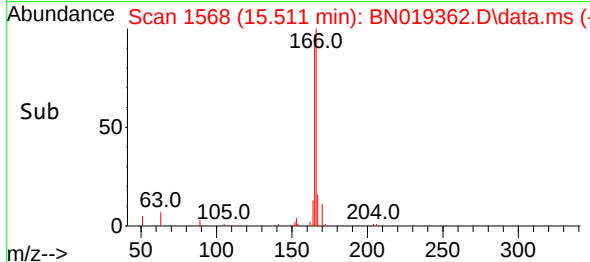
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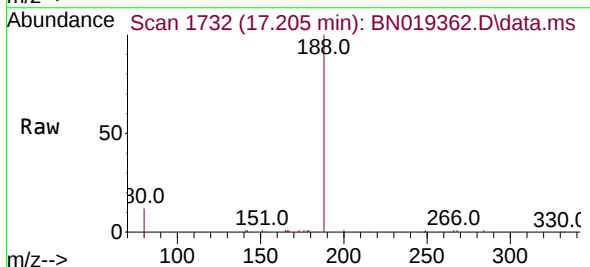
Tgt Ion:166 Resp: 830
Ion Ratio Lower Upper
166 100
165 100.5 79.2 118.8
167 18.8 10.7 16.1

Manual Integrations
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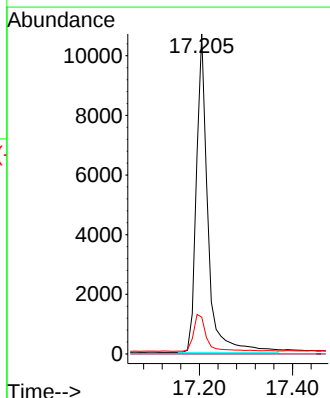
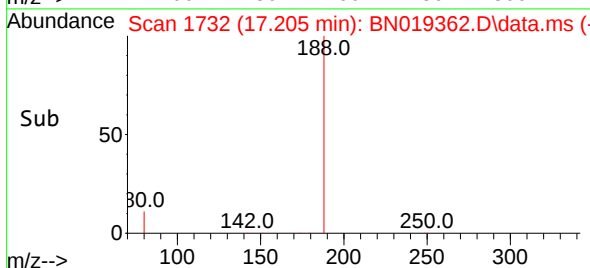
Reviewed By :Christian Giraldo 04/08/2022
Supervised By :Jagrut Upadhyay 04/08/2022

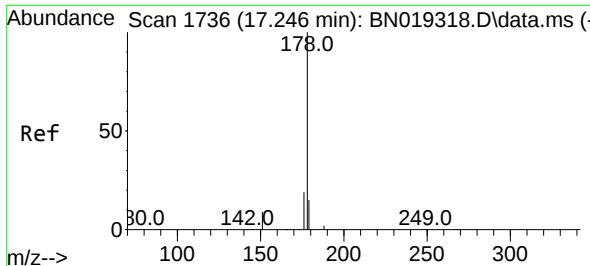


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.205 min Scan# 1732
Delta R.T. 0.000 min
Lab File: BN019362.D
Acq: 05 Apr 2022 22:28



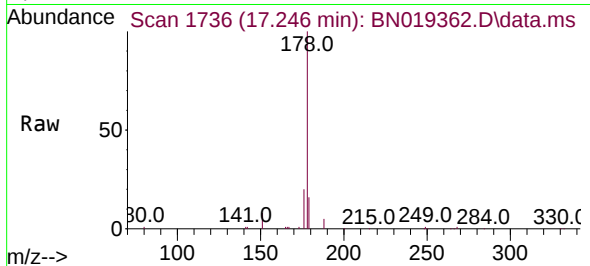
Tgt Ion:188 Resp: 18322
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 11.5 11.8 17.8





#25
Phenanthrene
Concen: 0.341 ng
RT: 17.246 min Scan# 1736
Delta R.T. 0.000 min
Lab File: BN019362.D
Acq: 05 Apr 2022 22:28

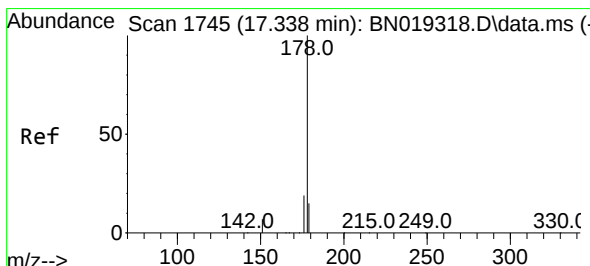
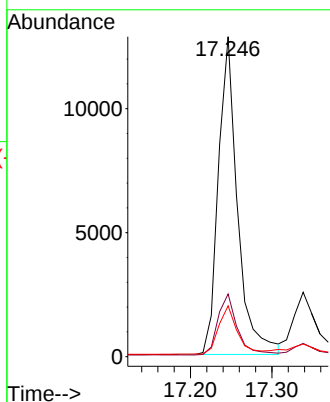
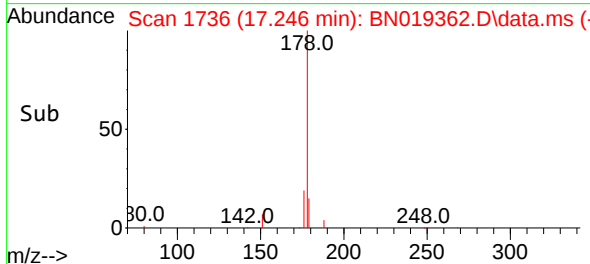
Instrument :
BNA_N
ClientSampleId :
DUP-0401



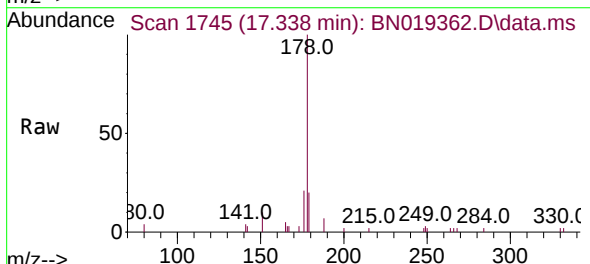
Tgt Ion:178 Resp: 20980
Ion Ratio Lower Upper
178 100
176 19.4 15.4 23.0
179 15.0 12.2 18.2

Manual Integrations
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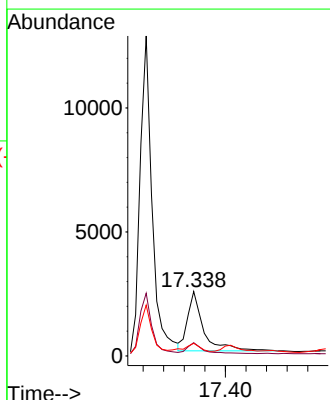
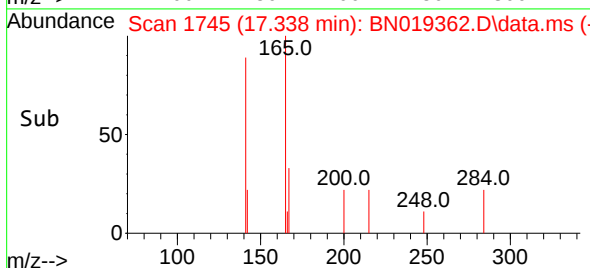
Reviewed By :Christian Giraldo 04/08/2022
Supervised By :Jagrut Upadhyay 04/08/2022

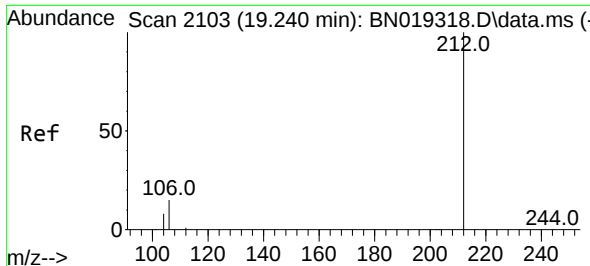


#26
Anthracene
Concen: 0.096 ng
RT: 17.338 min Scan# 1745
Delta R.T. 0.000 min
Lab File: BN019362.D
Acq: 05 Apr 2022 22:28



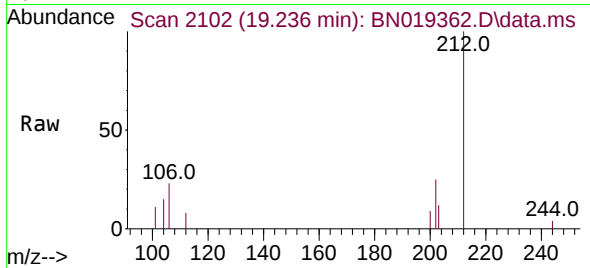
Tgt Ion:178 Resp: 5184
Ion Ratio Lower Upper
178 100
176 17.0 14.8 22.2
179 12.2 12.2 18.4





#27
Fluoranthene-d10
Concen: 0.031 ng
RT: 19.236 min Scan# 2109
Delta R.T. -0.004 min
Lab File: BN019362.D
Acq: 05 Apr 2022 22:28

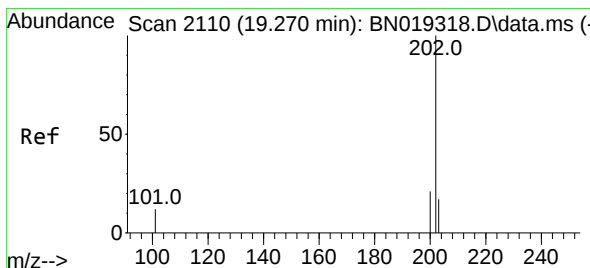
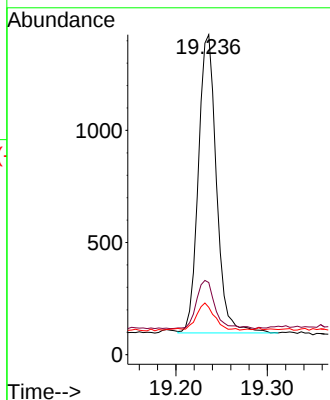
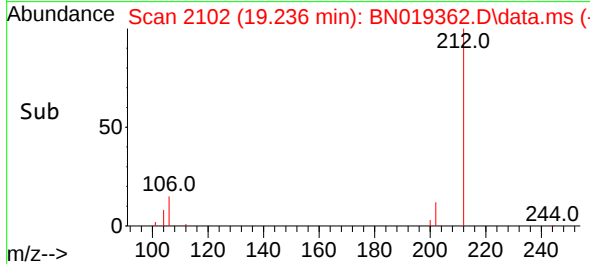
Instrument :
BNA_N
ClientSampleId :
DUP-0401



Tgt Ion:212 Resp: 1829
Ion Ratio Lower Upper
212 100
106 16.6 12.7 19.1
104 10.3 7.1 10.7

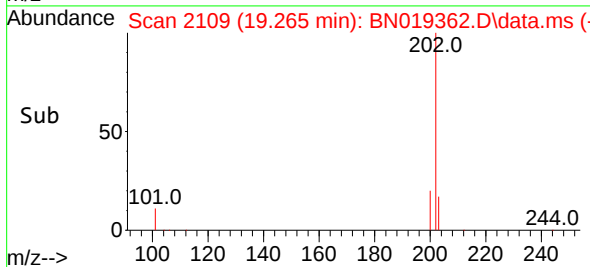
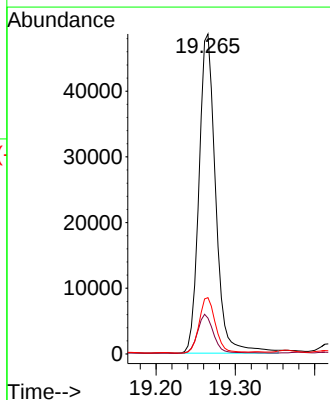
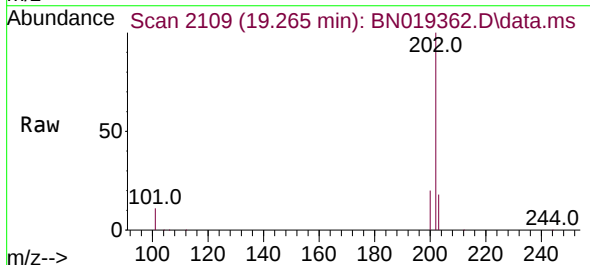
Manual Integrations
APPROVED

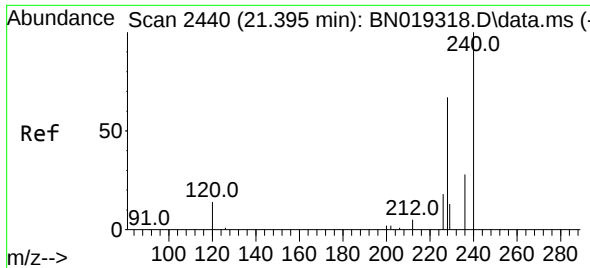
Reviewed By :Christian Giraldo 04/08/2022
Supervised By :Jagrut Upadhyay 04/08/2022



#28
Fluoranthene
Concen: 0.977 ng
RT: 19.265 min Scan# 2109
Delta R.T. -0.004 min
Lab File: BN019362.D
Acq: 05 Apr 2022 22:28

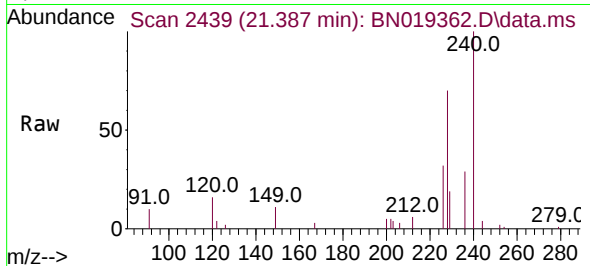
Tgt Ion:202 Resp: 71238
Ion Ratio Lower Upper
202 100
101 11.9 9.8 14.6
203 17.0 13.7 20.5





#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.387 min Scan# 2439
Delta R.T. -0.009 min
Lab File: BN019362.D
Acq: 05 Apr 2022 22:28

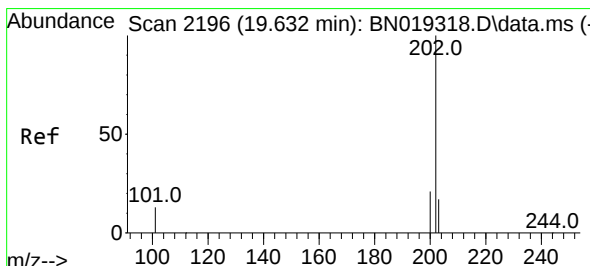
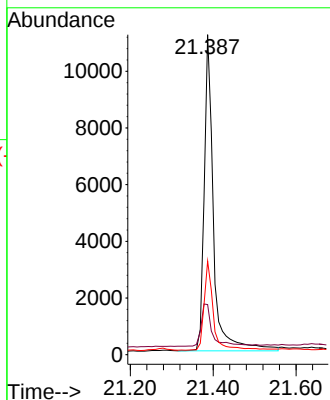
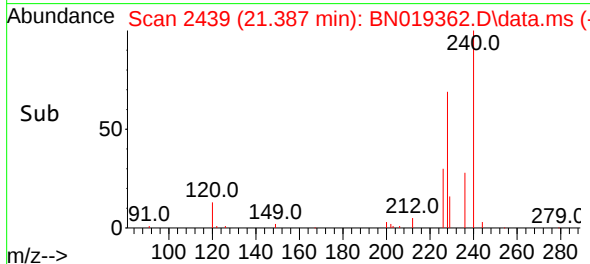
Instrument :
BNA_N
ClientSampleId :
DUP-0401



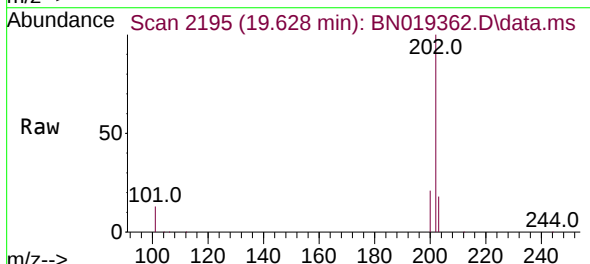
Tgt Ion:240 Resp: 1752
Ion Ratio Lower Upper
240 100
120 15.6 8.5 12.7
236 29.2 22.4 33.6

Manual Integrations
APPROVED

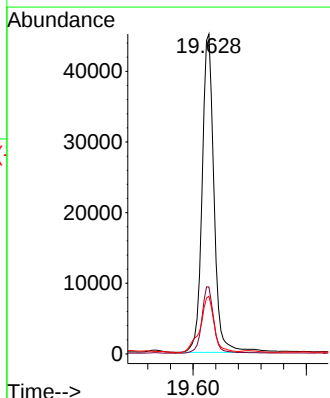
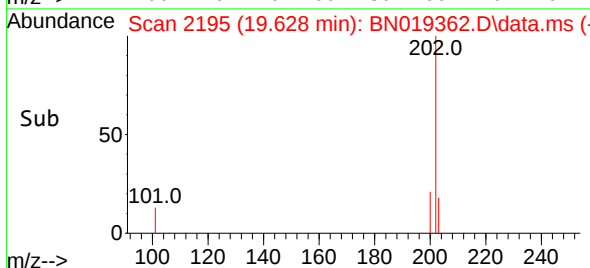
Reviewed By :Christian Giraldo 04/08/2022
Supervised By :Jagrut Upadhyay 04/08/2022

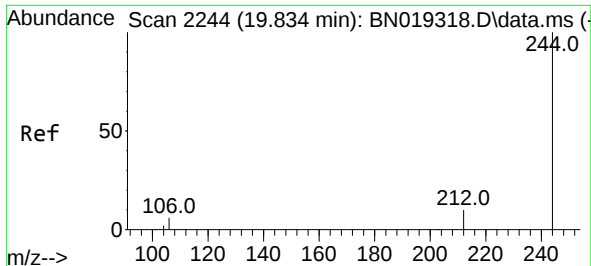


#30
Pyrene
Concen: 0.809 ng
RT: 19.628 min Scan# 2195
Delta R.T. -0.004 min
Lab File: BN019362.D
Acq: 05 Apr 2022 22:28



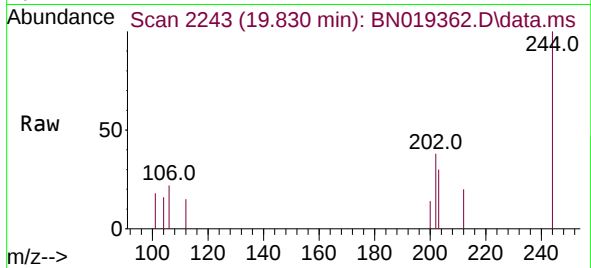
Tgt Ion:202 Resp: 65988
Ion Ratio Lower Upper
202 100
200 21.1 16.9 25.3
203 20.8 14.2 21.2





#31
Terphenyl-d14
Concen: 0.031 ng
RT: 19.830 min Scan# 2162
Delta R.T. -0.004 min
Lab File: BN019362.D
Acq: 05 Apr 2022 22:28

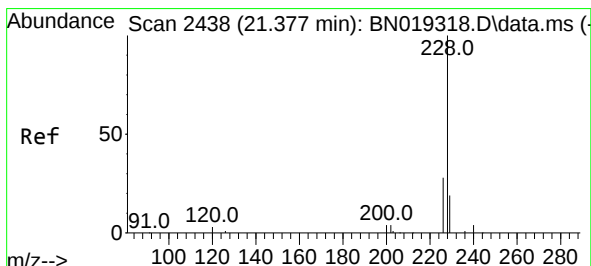
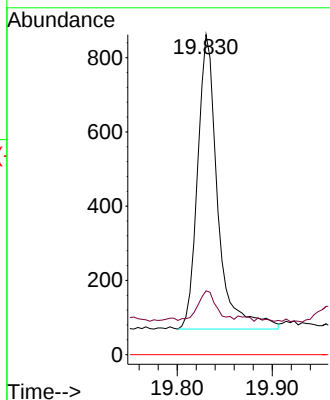
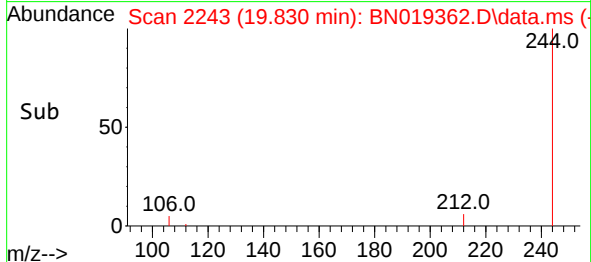
Instrument :
BNA_N
ClientSampleId :
DUP-0401



Tgt Ion:244 Resp: 1162
Ion Ratio Lower Upper
244 100
212 20.0 8.2 12.4
122 0.0 0.0 0.0

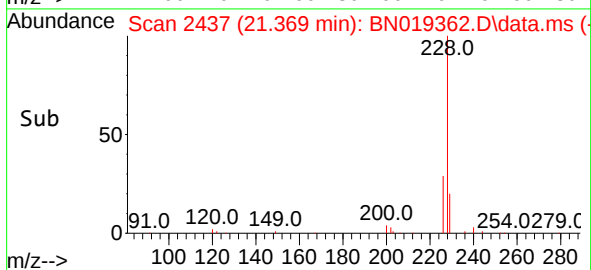
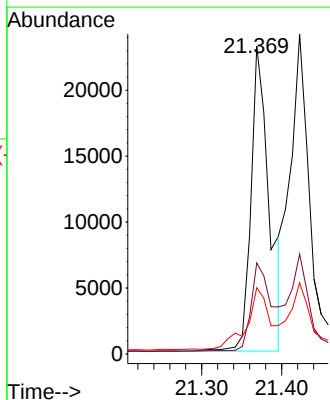
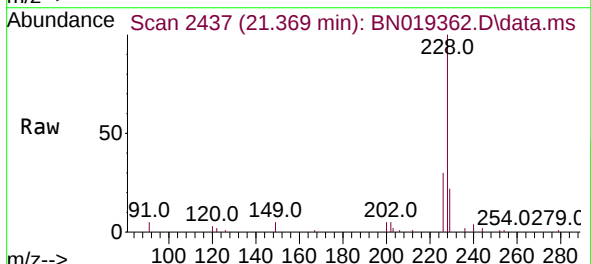
Manual Integrations
APPROVED

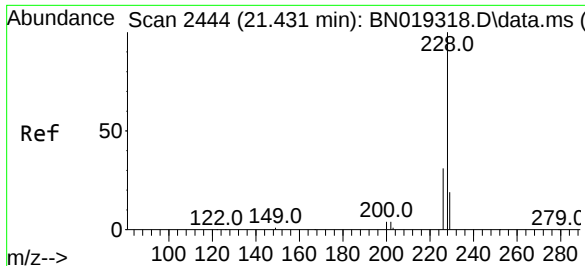
Reviewed By :Christian Giraldo 04/08/2022
Supervised By :Jagrut Upadhyay 04/08/2022



#32
Benzo(a)anthracene
Concen: 0.568 ng
RT: 21.369 min Scan# 2437
Delta R.T. -0.009 min
Lab File: BN019362.D
Acq: 05 Apr 2022 22:28

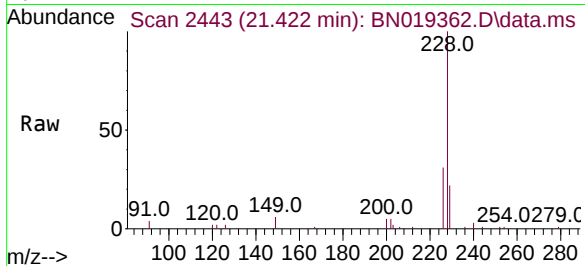
Tgt Ion:228 Resp: 36771
Ion Ratio Lower Upper
228 100
226 29.6 21.9 32.9
229 21.5 16.0 24.0





#33
Chrysene
Concen: 0.538 ng
RT: 21.422 min Scan# 2444
Delta R.T. -0.009 min
Lab File: BN019362.D
Acq: 05 Apr 2022 22:28

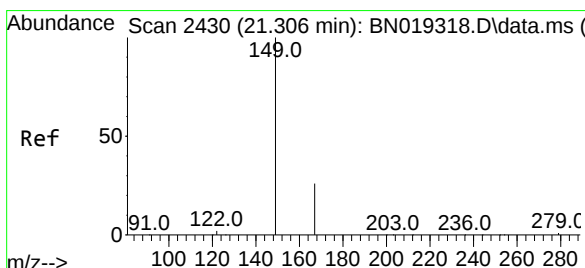
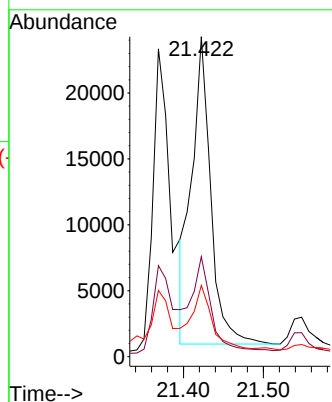
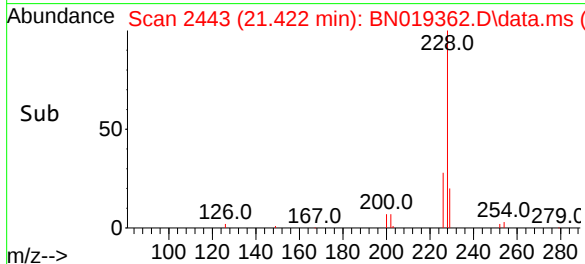
Instrument :
BNA_N
ClientSampleId :
DUP-0401



Tgt Ion:228 Resp: 3870
Ion Ratio Lower Upper
228 100
226 31.3 24.0 36.0
229 22.3 15.9 23.9

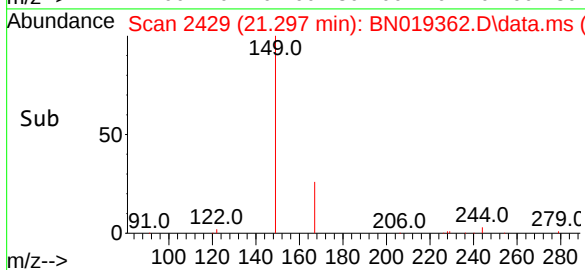
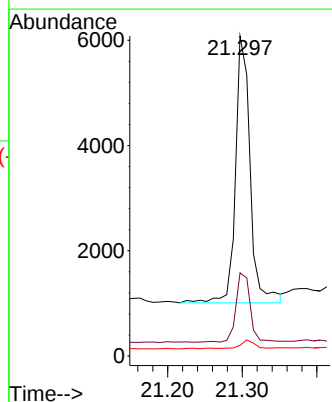
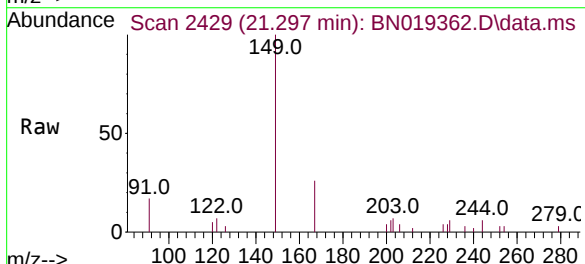
Manual Integrations
APPROVED

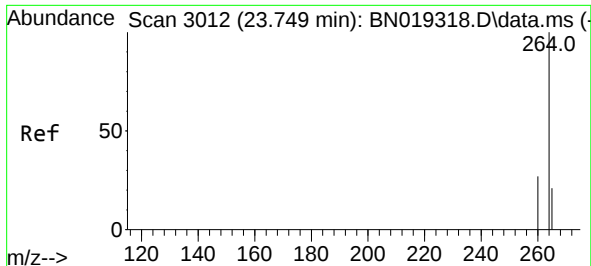
Reviewed By :Christian Giraldo 04/08/2022
Supervised By :Jagrut Upadhyay 04/08/2022



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.143 ng
RT: 21.297 min Scan# 2429
Delta R.T. -0.009 min
Lab File: BN019362.D
Acq: 05 Apr 2022 22:28

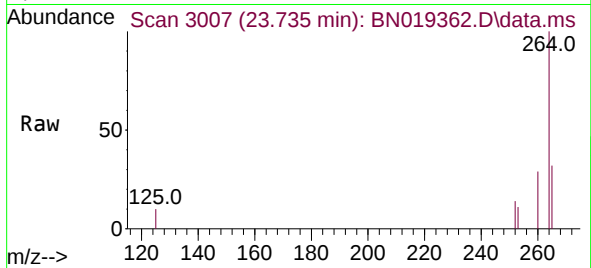
Tgt Ion:149 Resp: 6907
Ion Ratio Lower Upper
149 100
167 25.2 21.8 32.8
279 2.9 2.0 3.0





#35
Perylene-d12
Concen: 0.400 ng
RT: 23.735 min Scan# 3012
Delta R.T. -0.014 min
Lab File: BN019362.D
Acq: 05 Apr 2022 22:28

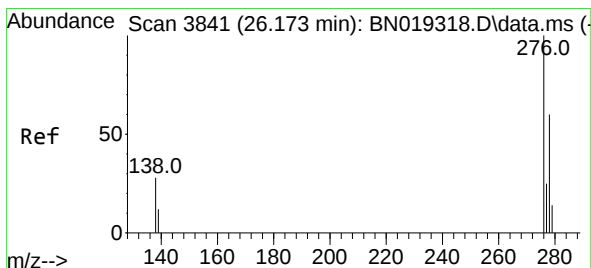
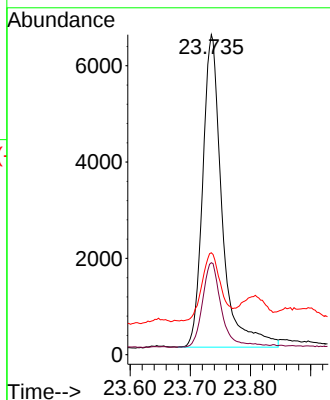
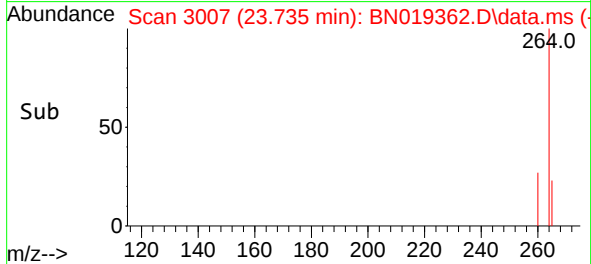
Instrument :
BNA_N
ClientSampleId :
DUP-0401



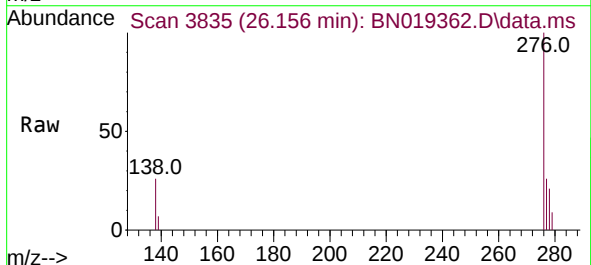
Tgt Ion:264 Resp: 1450
Ion Ratio Lower Upper
264 100
260 28.8 22.4 33.6
265 31.9 25.3 37.9

Manual Integrations
APPROVED

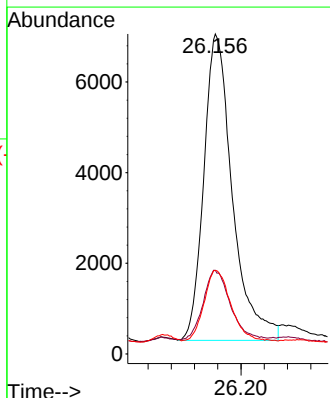
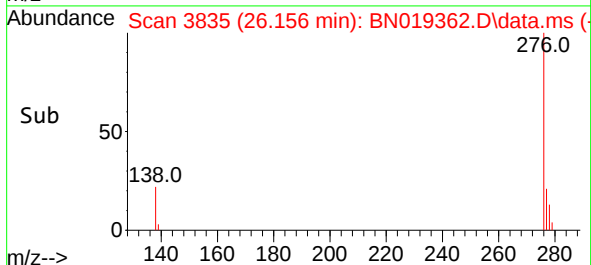
Reviewed By :Christian Giraldo 04/08/2022
Supervised By :Jagrut Upadhyay 04/08/2022

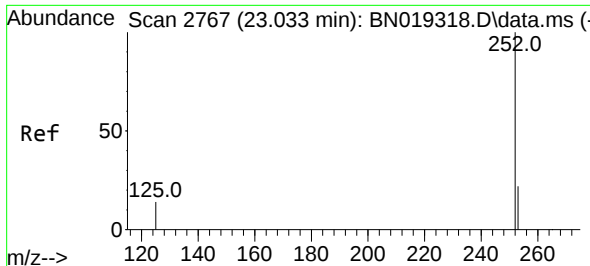


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.381 ng
RT: 26.156 min Scan# 3835
Delta R.T. -0.017 min
Lab File: BN019362.D
Acq: 05 Apr 2022 22:28



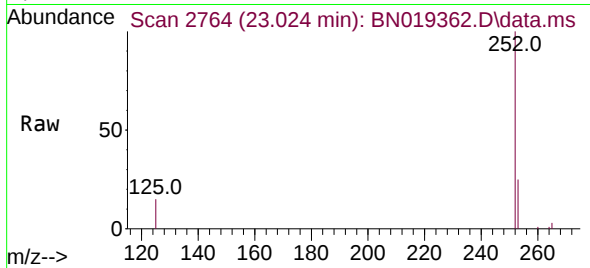
Tgt Ion:276 Resp: 23114
Ion Ratio Lower Upper
276 100
138 21.4 24.5 36.7#
277 21.5 19.8 29.8





#37
Benzo(b)fluoranthene
Concen: 1.005 ng
RT: 23.024 min Scan# 21
Delta R.T. -0.009 min
Lab File: BN019362.D
Acq: 05 Apr 2022 22:28

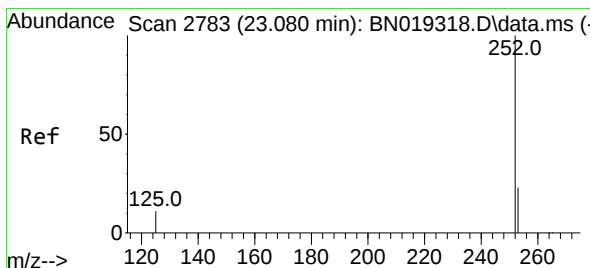
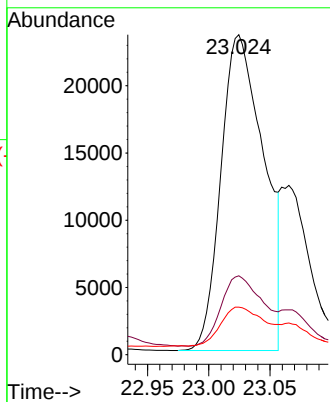
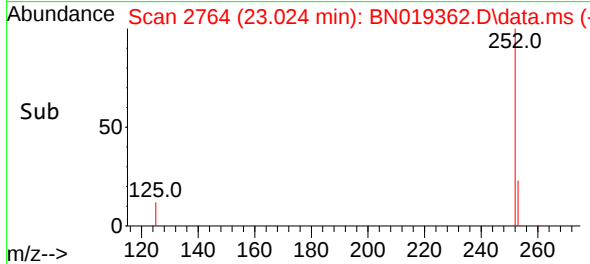
Instrument :
BNA_N
ClientSampleId :
DUP-0401



Tgt Ion:252 Resp: 5711
Ion Ratio Lower Upper
252 100
253 24.6 18.9 28.3
125 14.9 12.1 18.1

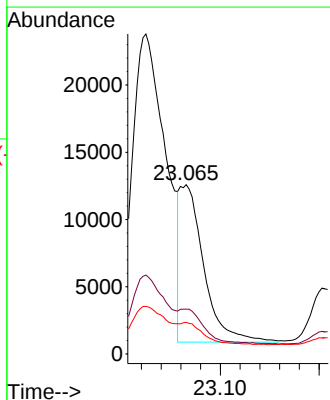
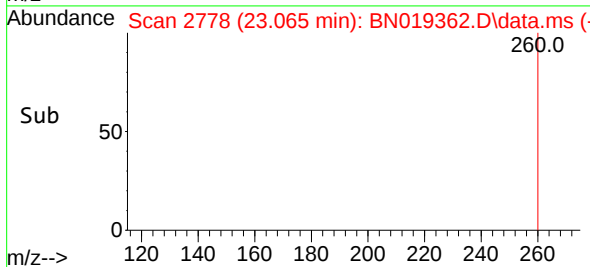
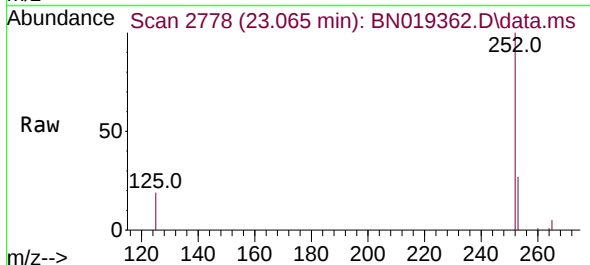
Manual Integrations
APPROVED

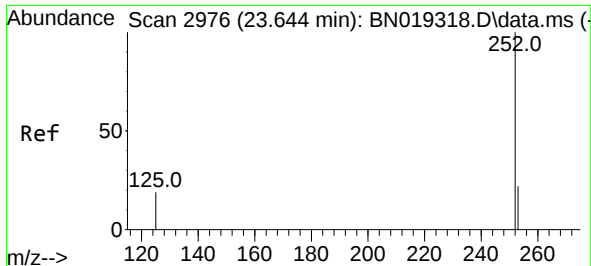
Reviewed By :Christian Giraldo 04/08/2022
Supervised By :Jagrut Upadhyay 04/08/2022



#38
Benzo(k)fluoranthene
Concen: 0.331 ng m
RT: 23.065 min Scan# 2778
Delta R.T. -0.014 min
Lab File: BN019362.D
Acq: 05 Apr 2022 22:28

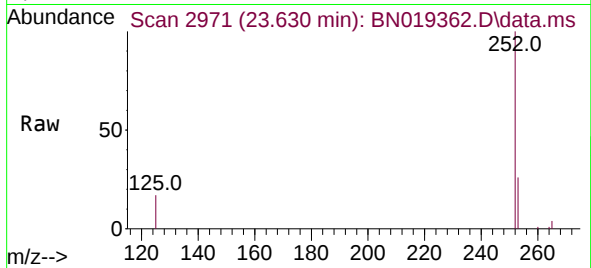
Tgt Ion:252 Resp: 19646
Ion Ratio Lower Upper
252 100
253 26.5 18.9 28.3
125 18.7 10.3 15.5#





#39
Benzo(a)pyrene
Concen: 0.644 ng
RT: 23.630 min Scan# 2976
Delta R.T. -0.014 min
Lab File: BN019362.D
Acq: 05 Apr 2022 22:28

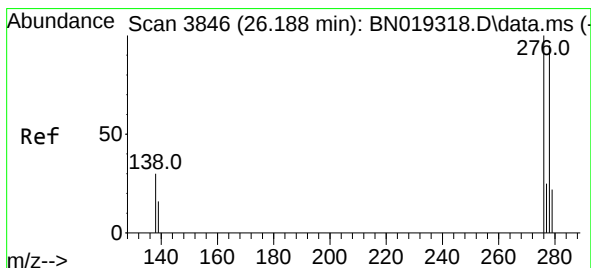
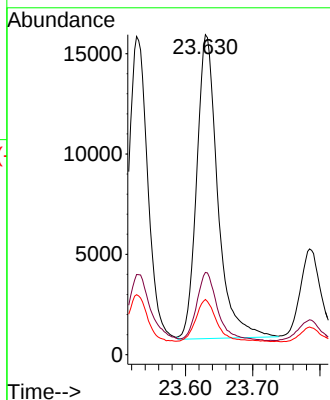
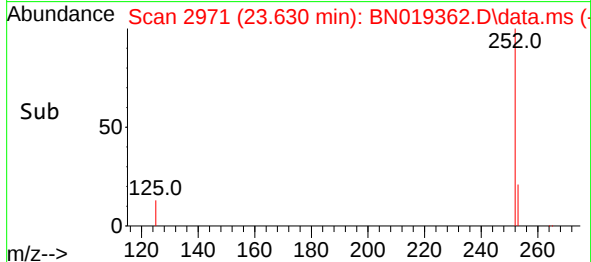
Instrument :
BNA_N
ClientSampleId :
DUP-0401



Tgt Ion:252 Resp: 32898
Ion Ratio Lower Upper
252 100
253 25.7 20.1 30.1
125 17.2 15.2 22.8

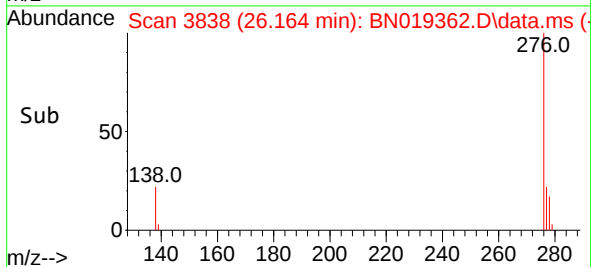
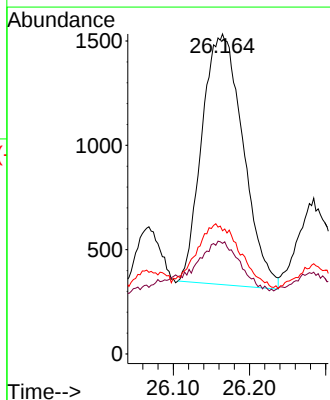
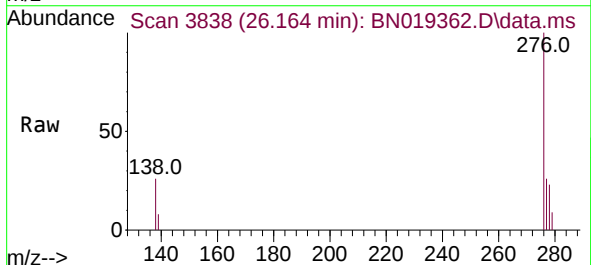
Manual Integrations
APPROVED

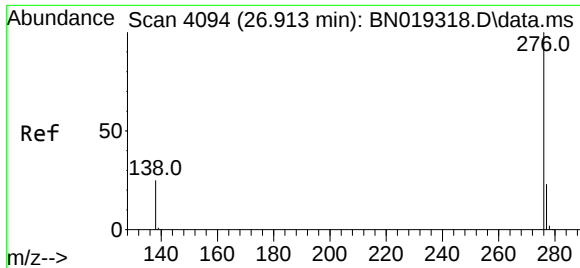
Reviewed By :Christian Giraldo 04/08/2022
Supervised By :Jagrut Upadhyay 04/08/2022



#40
Dibenzo(a,h)anthracene
Concen: 0.096 ng
RT: 26.164 min Scan# 3838
Delta R.T. -0.023 min
Lab File: BN019362.D
Acq: 05 Apr 2022 22:28

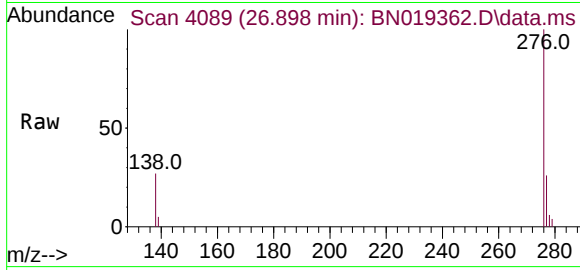
Tgt Ion:278 Resp: 4492
Ion Ratio Lower Upper
278 100
139 34.6 17.2 25.8#
279 38.5 19.9 29.9#





#41
Benzo(g,h,i)perylene
Concen: 0.459 ng
RT: 26.898 min Scan# 4094
Delta R.T. -0.014 min
Lab File: BN019362.D
Acq: 05 Apr 2022 22:28

Instrument :
BNA_N
ClientSampleId :
DUP-0401



Tgt Ion: 276 Resp: 2584
Ion Ratio Lower Upper
276 100
277 26.0 19.4 29.0
138 27.2 21.0 31.6

Manual Integrations
APPROVED

Reviewed By : Christian Giraldo 04/08/2022
Supervised By : Jagrut Upadhyay 04/08/2022

